

PROPOSED USE OF THE PLENARY POWERS TO DESIGNATE A
TYPE-SPECIES FOR THE GENUS *SPHAEROCORYPHE* ANGELIN,
1854 (CLASS TRILOBITA) IN HARMONY WITH ACCEPTED USE.
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The generic names *Sphaerometopus* and *Sphaerocoryphe* were introduced for one and the same trilobite genus by Angelin in the second fascicle of *Palaeontologia Scandinavica*, Pt. 1, Iconographia crustaceorum formationis transitionis, 1854 (: I-X, 21-92, pls. 25-42). *Sphaerometopus* was mentioned on page VI, but was not accompanied by a description, definition, or indication, and is therefore a *nomen nudum*. The genus *Sphaerocoryphe* was established on page 65, and two new species were referred to it, *Sphaerocoryphe dentata* (: 66, pl. 34, fig. 6) and *S. granulata* (: 76, pl. 39, fig. 4).

2. In the "Addenda et Corrigenda" printed in the same fascicle, the following statement is given: "Pag. VI. lin. 21 loco *Sphaerometopus* lege: *Sphaerocoryphe*". Thus *Sphaerometopus*, in addition to being a *nomen nudum*, was rejected in favour of *Sphaerocoryphe* in the original publication and ranks as an incorrect original spelling.

3. According to Westergård, 1910 (*Kunql. fysiogr. Sällsk. Handl. N.F.* 21(2) : 5, footnote 2; also *Lunds Univ. Årsskr. N.F. Avd. 2*, 6(2)) there exist "two somewhat different editions" of pages 65-66 of *Pal. Scand.* In one version, on pages 65-66, the genus is named *Sphaerometopus* and the species is named *Sphaerometopus dentatus* (cf. Westergård, 1910 : 44-45). It is evident that during the preparation of his work, Angelin changed the name of the genus from *Sphaerometopus* to *Sphaerocoryphe*, and that some copies have been distributed with the uncorrected version of pages 65-66, showing the subsequently rejected name *Sphaerometopus*.

4. In 1878, G. Lindström edited a new and revised version of Angelin's work including some of the pages and plates "*ab auctore rejecta*". This 1878 publication retained the spelling *Sphaerometopus* on page VI, and *Sphaerocoryphe* on pages 65, 66 and 76; it also included the Addenda and Corrigenda page correcting the spelling on page VI.

5. The name *Sphaerocoryphe* has been used by all authors dealing with Angelin's genus both before and after Lindström's publication.

6. S. A. Miller, 1889 (*N. Amer. Geol. Palaeont. for the use of Students* : 567) designated *S. granulata* as the type-species of *Sphaerocoryphe*, and this is the first valid type-designation. However, *S. granulata* was assigned to *Hemisphaerocoryphe* Reed, 1896 by Elsa Warburg, 1925 (*Bull. geol. Inst. Upsala* 17 : 388). Thus if Miller's designation is accepted, *Hemisphaerocoryphe* would become a junior subjective synonym of *Sphaerocoryphe*, and a new generic name would be required for *S. dentata* and its allies, hitherto uniformly referred to *Sphaerocoryphe*. It would therefore be in harmony with past and current usage to designate *S. dentata* as the type-species of *Sphaerocoryphe*.

7. The genus *Sphaerocoryphe* is currently referred to the family CHEIRURIDAE, subfamily DEIPHONINAE, and the name has never been used as the basis of a family-group name.

8. We therefore ask the International Commission on Zoological Nomenclature :

- (1) to use its plenary powers to set aside all designations of type-species for the genus *Sphaerocoryphe* Angelin, 1854, made prior to the ruling now asked for, and having done so to designate *Sphaerocoryphe dentata* Angelin, 1854, as the type-species of that genus ;
- (2) to place the generic name *Sphaerocoryphe* Angelin, 1854 (gender : feminine), type-species, by designation under the plenary powers in (1) above, *Sphaerocoryphe dentata* Angelin, 1854, on the Official List of Generic Names in Zoology ;
- (3) to place the specific name *dentata* Angelin, 1854, as published in the binomen *Sphaerocoryphe dentata* (type-species of *Sphaerocoryphe* Angelin, 1854) on the Official List of Specific Names in Zoology ;
- (4) to place the generic name *Sphaerometopus* Angelin, 1854 (a *nomen nudum*) on the Official Index of Rejected and Invalid Generic Names in Zoology.